

PV-183 - 8 /16 SDK
(PCI Video & Audio Capture Card)
Installation Guide

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A. Pre-installation :

Congratulation ! You have purchased our PV-183 PCI Video/Audio Capture card, which using high quality chipset and offer the best video capture.

1. PV-183 Product specification :

	PV-183
Interface	
Bus	PCI 2.3
Video Input	8 / 16 ports BNC
Audio Input	8 ports BNC
Video Format	NTSC/PAL
Software	1.Win 2K / XP 2.SDK included (DirectShow interface)
System Requirement	Pentium IV 2.8Ghz or higher level PC 512 MB RAM 16X CD-ROM Windows™ 2K / XP OS AGP or PCI-E VGA card and Monitor

Note : Recommended to use INTEL M/B to install the products.

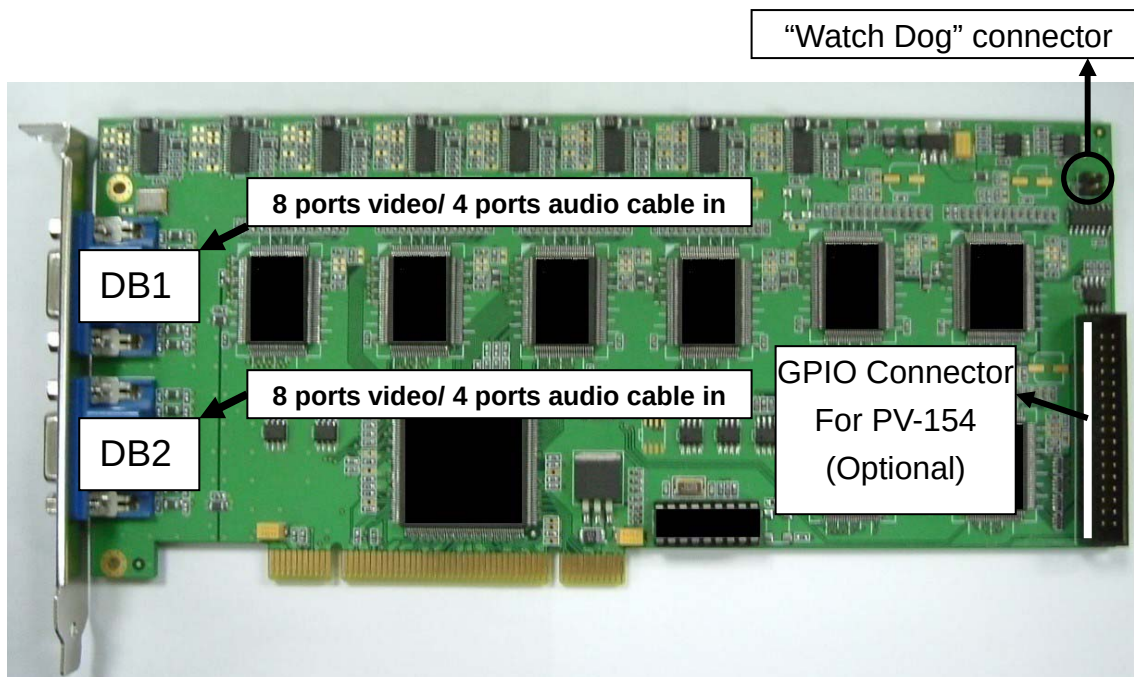
2. PV-183 Hardware Equipment :

- I . PV-183 1pcs
- II . SDK CD 1pcs
- III . User's Manual 1pcs
- IV . Cable for "Watch Dog" 1pcs
- V . D-Sub Video/Audio AUX Input Cable

2pin cable for "Watch Dog"

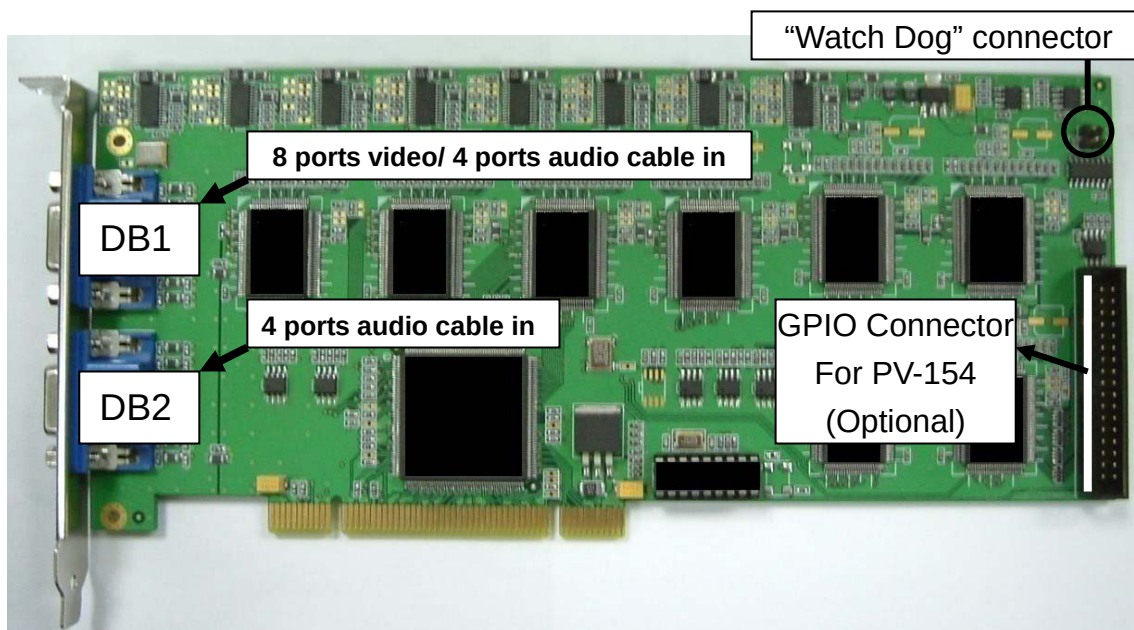


3. PV-183-16 Connection :



NOTE : To avoid some IRQ errors or problems, please avoid to insert this card on the first or last PCI slot on M/B as possible.

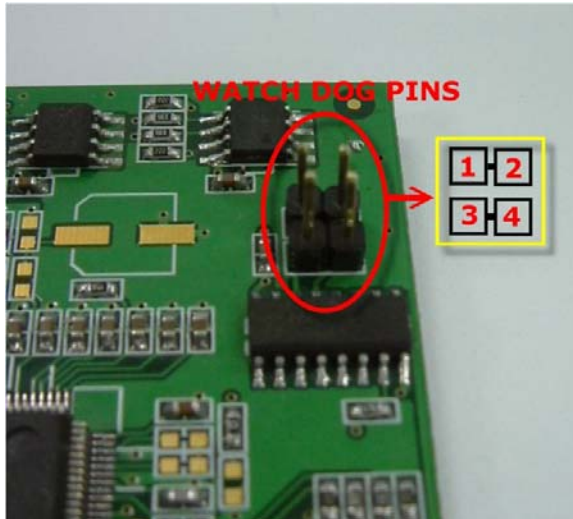
PV-183-8 Connection :



NOTE : To avoid some IRQ errors or problems, please avoid to insert this card on the first or last PCI slot on M/B as possible.

PV-183 Watch Dog Connection :

PV-183 supported Hardware Watch Dog function, it can auto restart while the system getting crash or some errors. The Watch Dog pins were located on the up-left side of the PV-183 board. About how to connect, please refer to below description :

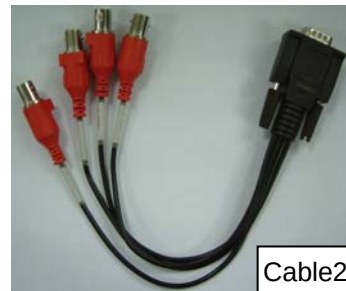


How to connect the Watch Dog cable with M/B :

Please shut-down PC & open the case first, then un-plug the RESET cable on M/B and plug the RESET cable on pin 1+2.

Then use the Watch Dog cable plug to the RESET pins on M/B and the other side on pin 3+4. It's done !

D-Sub Video/Audio AUX Input Cable :



Cable1 : RED : Audio Cable (AUD1-AUD4) CH1-CH4
BLUE : Video Cable(VID1-VID4)CH1-CH4
GREEN : Video Cable(VID1-VID4)CH5-CH8

Cable2 : RED : Audio Cable (AUD1-AUD4) CH1-CH4

4. Notice before Installing :

4.1 About Hardware :

For PV-183 is a PCI slot only used video/audio capture card, please confirm there are available PCI slots for PV-183 using.

4.2 About software :

Please make sure if Microsoft™ DirectX 9 or higher version already been installed in Windows™ 2K/XP.

B. Installing Steps :

1. How to plug PV-183 into PCI slot :

1.1 : Please power off your PC.

1.2 : Open the casing.

1.3 : Insert PV-183 onto the available PCI slot and tightly fasten the screws.

1.4 : Close the casing.

1.5 : Power on your PC.

★Notice : Please delete or uninstall the old drivers completely if you ever installed BT878 drivers or other video capture card before you install this brand-new PV-183. Or it will cause the compatibility problems with PV-183 drivers.

2. How to install PV-183 drivers within Microsoft™ Windows OS :

2.1 : Running on Microsoft™ Windows 2K/XP for operating system.

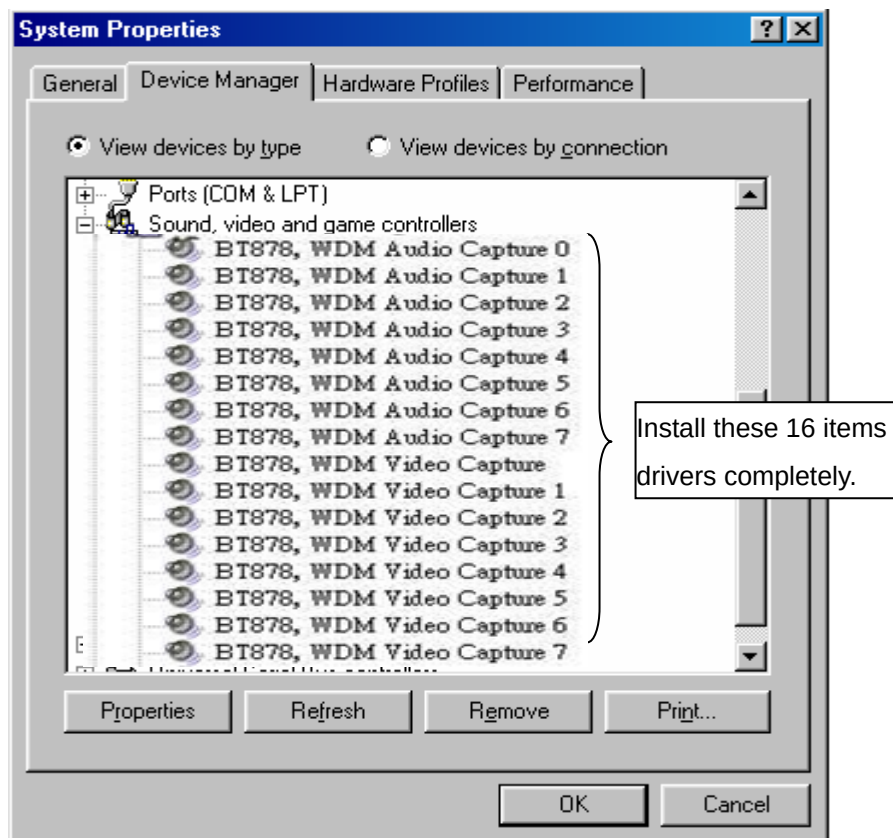
2.2 : After you log on into PC, Windows will detect PV-183 already been inserted into PCI slot(s).

2.3 : Please insert the CD of PV-183 product into the CD-ROM.

2.4 : Let Windows Hardware Detecting Wizard search the driver and nominate the route to the driver location of CD, X : \PV-183(SDK)\Drv (Assume CD-ROM to be X :) – We took Windows 2K OS for example.



2.5 : After installing the drivers completely , go to 「Control Panel」 -> 「System」 -> 「Device Manager」 check the 「Sound, video and game controllers」 already been installed below marked hardware items.



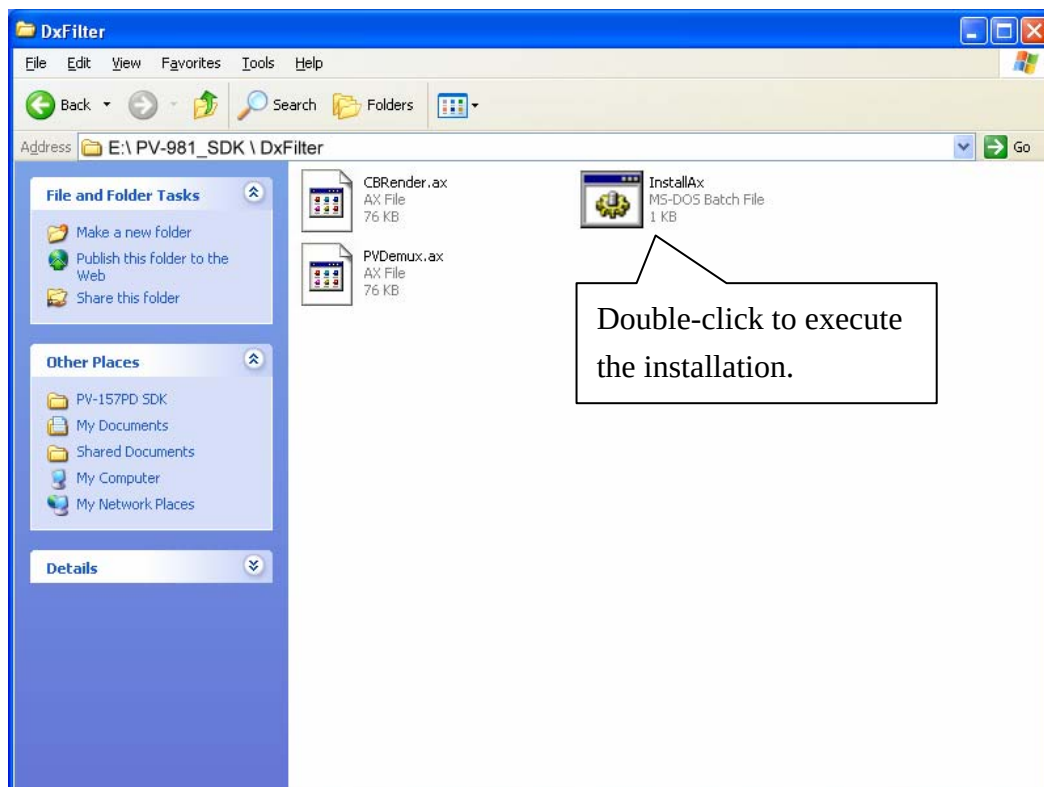
2.6 : As above Picture, it means that all drivers already been installed well.

3. How to use the SDK application of PV-183 :

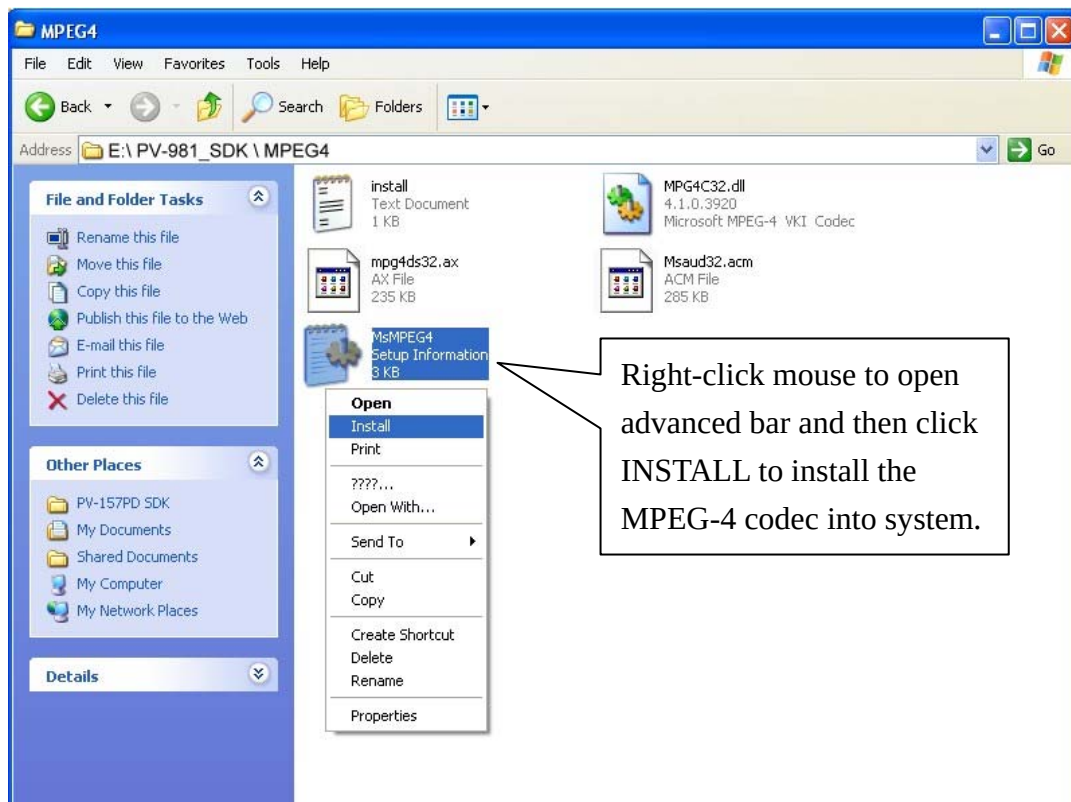
3.1 : Please insert the CD of PV-183 product into the CD-ROM, and find the X : PV-183(SDK)\ Bin\PAL(or NTSC).. Folder. Then copy whole folder to C : \ (As below Picture)



3.2 : After copy the folder to C : \..., Please execute X :
\\PV-183(SDK)\DxFilter\InstallAx.bat at first.



And then install the codec of MPEG-4 under X : \\PV-183(SDK)\MPEG4 as below diagram :

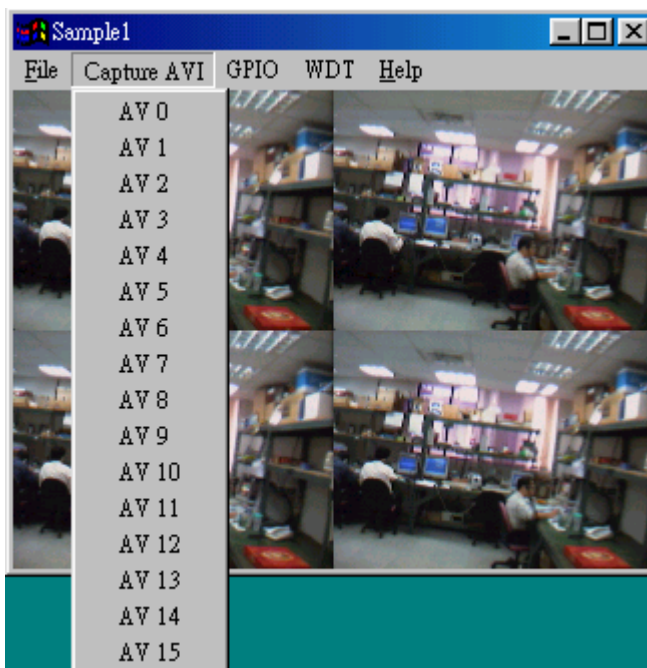


3.3 : Then execute Sample_NTSC.exe or Sample_PAL.exe according to your camera video mode for viewing the result. (As below Picture)

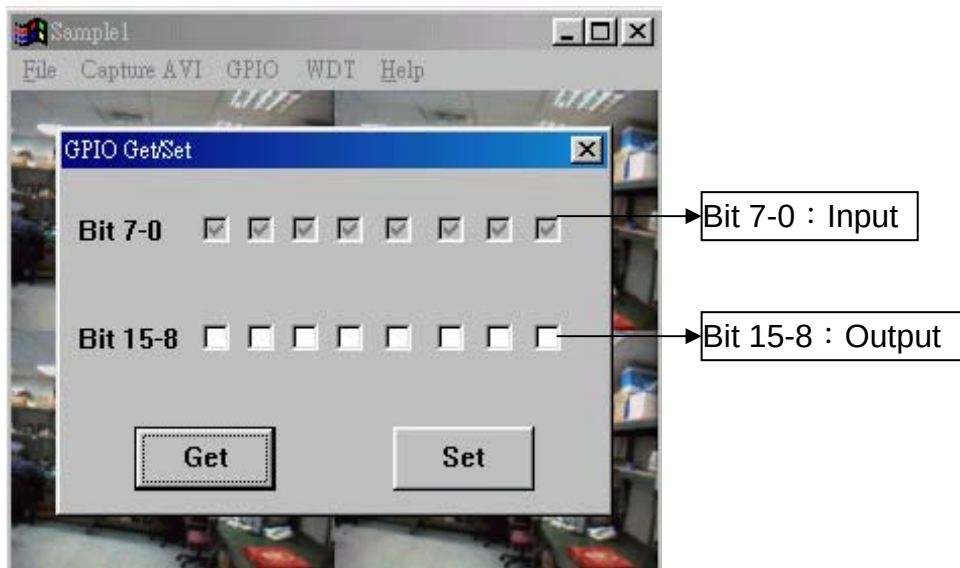


3.4 : Click [Capture AVI](As below Picture), and put checks on AV0, 1, 2, 3...for saving AVI files depends on camera numbers. (Ex. : AV0 = Camera1)

- ★ Notice : Taking the checks away can stop the function.
- ★ Notice : If you need the AVI file, please rename and move the file to other folder, or the earlier file will be covered by late one.
- ★ Notice : It will not save the files if execute Sample_NTSC.exe or Sample_PAL.exe by using CD.



3.5 : Click [GPIO]->[GPIO Control](As below Picture) for detecting or setting I/O card (Option).

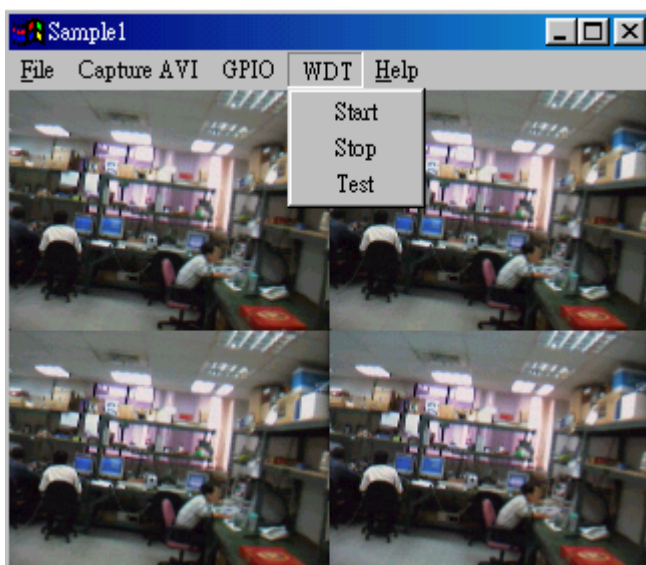


3.6 Click [WDT](As below Picture), it can start, stop and test "Watch Dog" function.

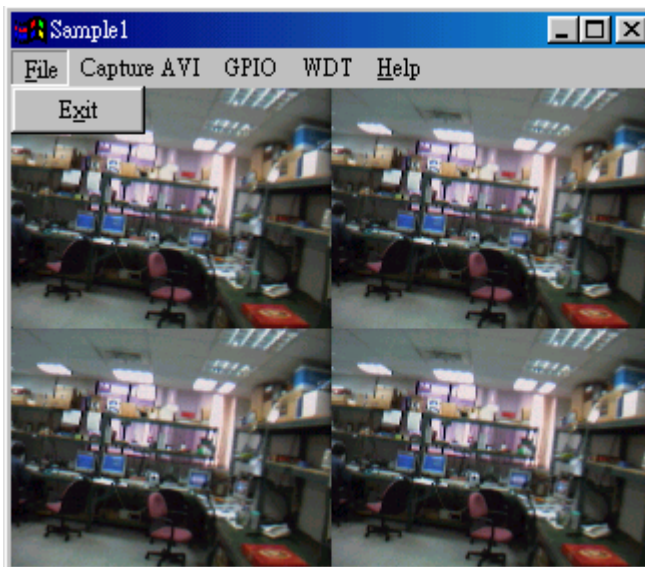
3.6.1 Start : When the system hang or appear error message, the system will auto re-boot in 7 seconds.

3.6.2 Stop : Stop "Watch Dog" function.

3.6.3 Test : It will auto re-boot the system immediately to test "Watch Dog" function.



3.7 : Click [File]->[Exit](As below Picture), exit this program.



C. Q&A :

Q1 : I already installed all drivers well, but why I cannot execute Sample_NTSC.exe or Sample_PAL.exe file ?

A1 : Please execute InstallAx.bat before execute Sample_NTSC.exe or Sample_PAL.exe.

Q2 : After executing Sample_NTSC.exe or Sample_PAL.exe, why only see a blue screen but video ?

A2 : I .Please confirm the VGA card supports Overlay Mode.

II .Please install DirectX 9 or higher version.

III .Please confirm that already install drivers completely.

Q3 : Why I cannot execute SDK program under WinNT ?

A3 : We're sorry that PV-183 didn't support WinNT OS.

Q4 : Did SDK program support Linux ?

A4 : Yes, PV-183 supports Linux's driver, but we didn't have technical support for using on Linux.